

ABSTRACT OF THE DISCLOSURE

A soft magnetic sintered member having uniform dispersion of alloy elements and a production method for the same at low cost are provided. The soft magnetic sintered member consists of, all in mass %, 2.9 to 7% of Cr; 1.5 to 6.88% of Si; and the balance of Fe and inevitable impurities. The production method for a soft magnetic sintered member includes: preparing an Fe alloy powder consisting of 3 to 7 mass% of Cr, 1.5 to 3.5 mass% of Si, and the balance of Fe and inevitable impurities; or a mixed powder in which the Fe alloy powder is mixed with an Si powder having an average particle size of 1 to 45 μ m. The production method further includes: compacting the Fe alloy powder or the mixed powder into a green compact having a predetermined shape; and sintering the green compact.